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CLAIM AMENDMENTS

2

Listing of Claims:

3 CLAIMS

4 1. (currently amended) A method Method for retrieving a replica of an electronic document in a
5 computer network, comprising:

- 6 • selecting at least one replica number,
- 7 • by applying a given function, the function requiring the replica number and a document
8 identifier as input: determining at least one entity identifier, each entity identifier representing
9 an entity in the network that might provide the replica,
- 10 • addressing a document related request to at least one of the identified entities.

11 2. (currently amended) A method Method according to claim 1, comprising

- 12 • selecting $k = N$ replica numbers, wherein N is a maximum number for replicas,
- 13 • by applying the given function k times: determining k entity identifiers.

14 3. (currently amended) A method Method according to claim 1, comprising

- 15 • selecting k replica numbers from a maximum number of N replicas with $k < N$, by applying
16 the given function k times: , and
- 17 • determining k entity identifiers.

18 4. (currently amended) A method Method according to claim 3, wherein $k \leq 5$.

19 5. (currently amended) A method Method according to claim 3, wherein $k = 1$.

20 6. (currently amended) A method Method according to claim 1 any one of the preceding claims,
21 comprising addressing the document related request to all identified entities.

- 1 7. (currently amended) A method ~~Method~~ according to claim 1 any one of the preeeding claims.
2 ~~1 to 4~~, comprising addressing the document related request to only selected ones of the identified
3 entities.
- 4 8. (currently amended) A method ~~Method~~ according to claim 1 any one of the preeeding claims~~1~~
5 ~~to 4~~, comprising addressing the document related request only to one entity selected from the
6 identified entities.
- 7 9. (currently amended) A method ~~Method~~ according to claim 1 any one of the preeeding claims~~1~~
8 ~~to 5~~, further comprising
9 calculating a cost function for each of the k entities, the cost function providing a cost value as
10 result which indicates a cost to address the relevant entity.
- 11 10. (currently amended) A method ~~Method~~ according to ~~claim 9 in combination with claim 7 or~~
12 ~~claim 8;~~
13 further comprising calculating a cost function for each of the k entities, the cost function
14 providing a cost value as result which indicates a cost to address the relevant entity, wherein each
15 entity to be addressed is selected from the identified entities due to the an associated cost value.
- 16 11. (currently amended) A method ~~Method~~ according to claim 10, wherein the addressed
17 entity/entities ~~is/are the one/s~~ consist of at least one entity showing the a lowest cost value/s.
- 18 12. (currently amended) A method ~~Method~~ according to claim 6 ~~or claim 7~~, wherein cost values
19 for the addressed entities are derived from communication with these entities.
- 20 13. (currently amended) A method ~~Method~~ according to claim 6 ~~or claim 7~~, wherein cost values
21 for the addressed entities are derived from a cost database.
- 22 14. (currently amended) A method ~~Method~~ according to claim 1 any one of the preeeding claims,

1 wherein upon receiving a "replica not available" response from each of the addressed entities,
2 another entity is selected from the identified entities for addressing the document related request
3 to.

4 15. (currently amended) A method Method according to claim 14,
5 wherein the other entity is selected from the identified entities by choosing an entity with an
6 associated replica number that is lower than the replica number associated to the entity/entities
7 the previous request was addressed to

8 16. (currently amended) A method Method according to claim 1 any one of the preeeding claims,
9 wherein upon any indication from the addressed entity/entities that neither the replica is not
10 available nor the replica is available there, another entity is selected from the identified entities
11 for addressing the document related request to.

12 17. (currently amended) A method Method according to claim 16,
13 wherein the other entity is selected due to an associated cost value.

14 18. (currently amended) A method Method according to claim 1 any one of the claims 1 to 4,
15 further comprising
16 • selecting from the identified entities at least one most preferred entity, and
17 • addressing the document related request to each most preferred entity.

18 19. (currently amended) A method Method according to claim 18,
19 wherein each most preferred entity is selected according to its said each most preferred entity's
20 distance from the retrieving entity.

21 20. (currently amended) A method Method according to claim 19,
22 wherein the distance of an entity is derived from the associated entity identifier.

- 1 21. (currently amended) A method ~~Method~~ according to claim 18 any one of the preceding
2 claims 18 to 20,
3 wherein upon receiving a "replica not available" message from the addressed entity, at least one
4 other entity is selected from a set of identified entities as a second best preferred entity for
5 addressing the document related request to, this set of identified entities being limited to entities
6 with corresponding replica numbers lower than the replica number that is associated to the most
7 preferred entity identifier.
- 8 22. (currently amended) A method ~~Method~~ according to claim 19,
9 wherein the second preferred entity is selected from the set of identified entities according to its
10 distance from the retrieving entity, wherein the closest distance is derived from the associated
11 entity identifier.
- 12 23. (currently amended) A computer program element comprising computer program code means
13 which, when loaded in a processor unit of a computing entity, configures the processor unit to
14 perform a method as claimed in claim 1 any one of the preceding claims.
- 15 24. (currently amended) A computing ~~Computing~~ entity for retrieving a replica of an electronic
16 document in a computer network, comprising a control unit designed to perform a method
17 according to claim 1 any one of the claims 1 to 22.
- 18 25. (currently amended) A method ~~Method~~ for depositing a replica of an electronic document in a
19 computer network,
20 • selecting a replica number,
21 • by applying a given function, ~~the function~~ requiring the replica number and a document
22 identifier as input: determining an entity identifier, the entity identifier representing an entity
23 in the network,
24 • addressing the identified entity for replica depositing purposes.

1 26. (currently amended) A computer program element comprising computer program code means
2 which, when loaded in a processor unit of a computing entity, configures the processor unit to
3 perform a method as claimed in ~~any one of the preceding~~ claim 25.

4 27. (currently amended) A computing ~~Computing~~ entity for depositing a replica of an electronic
5 document in a computer network, comprising a control unit designed to perform a method
6 according to claim 25.

7 28. (new) An article of manufacture comprising a computer usable medium having computer
8 readable program code means embodied therein for causing retrieval of a replica of an electronic
9 document in a computer network,, the computer readable program code means in said article of
10 manufacture comprising computer readable program code means for causing a computer to effect
11 the steps of claim 1.

12 29. (new) An apparatus to retrieve a replica of an electronic document in a computer network,
13 comprising:

- 14 • selecting at least one replica number,
- 15 • by applying a given function employing the replica number and a document identifier as
16 input, determining at least one entity identifier, each entity identifier representing an entity in
17 the network that might provide the replica,
- 18 • addressing a document related request to at least one of the identified entities.

19 30. A computer program product comprising a computer usable medium having computer
20 readable program code means embodied therein for causing retrieval of a replica of an electronic
21 document in a computer network, the computer readable program code means in said computer
22 program product comprising computer readable program code means for causing a computer to
23 effect the functions of claim 29.